## Cold and the state that the state of the sta

## WHAT IS CLAIMED IS:

1	SUB BY 1. A method for accessing information in an information store in		
2	accordance with an access policy, said method comprising:		
3	receiving an access request comprising a request for a first type of		
4	information, wherein said request for a first type of information has associated therewith first		
5	information contained in said information store;		
6	replacing said request for a first type of information with a modified request		
7	for a first type of information, said modified request being based on said access policy; and		
8	accessing said information store to produce a result in response to said access		
9	request, wherein said modified request produces either a masked value or said first		
10	information, based on said access policy.		
[]1	2. The method of claim 1 wherein said modified request includes a mask		
102	function.		
la M.			
57 1 57 -	3. The method of claim 2 wherein said accessing includes executing said		
	mask function to produce either said masked value or said first information.		
<u>-</u> 1	4. The method of claim \1 further including modifying said access request		
12	to include a filter function, said filter function effective for eliminating portions of said result		
1 12 13 13	in accordance with said access policy.		
<sup> </sup> -1	5. The method of claim 1 wherein said information store is a relational		
2	database and said request for a first type of information comprises a SELECT statement, said		
3	SELECT statement comprising one or more column references, said modified request		
4	comprising a replacement of at least one of said one or more column references with a mask		
5	function.		
1	6. The method of claim 1 wherein said information store is a relational		
2	database and said access request includes a WHERE clause, said result comprising one or		
3	more rows of information, said method further including incorporating a filter function in		
4	said WHERE clause to remove certain rows contained in said result, based on said access		
5	policy.		

1	/ in a relational database, a method for accessing information in			
2	accordance with an access policy, said method comprising:			
3	providing at least one query comprising a SELECT statement, said SELEC			
4	statement comprising one or more column references;			
5	replacing at least one of said one or more column references with a mask			
6	function to produce a modified query; and			
7	producing a query result in response to said modified query comprising one of			
8	more rows of information;			
9	9 wherein said query result includes, for said at least one of said one or			
10	column references, either mask values or information from said relational database, based o			
11	said access policy.			
121 102	8. The method of claim 7 wherein said at least one query further			
<u>m</u>	comprises a WHERE clause, said method further including modifying said WHERE clause to			
1 3	produce a modified WHERE clause which includes a filter function, said filter function			
174 -E -25	producing one of two logical values, said modified WHERE clause effective for deleting a			
<b>5</b>	row from said query result based on a value produced by said filter function.			
	9. The method of claim 7 wherein said relational database in provided in			
TU2 TU3	a database server; said step of providing includes receiving said at least one query at a client			
<u>[</u> ]3	system; and said step of producing includes transmitting said modified query to said database			
‡±4	server.			
1	10. The method of claim 9 wherein said step of replacing is performed at			
2	said client system.			
1	11. The method of claim 9 wherein said step of replacing is performed at			
2 .	said database server.			
1	12. A computer-based information retrieval system comprising:			
2	computer memory having computer readable program code embodied therein			
3	for accessing an information store in accordance with an access policy, said computer			
4	readable program code comprising:			

first code configured to receive an access request for a first type of information, wherein said request for a first type of information has associated therewith first information;

second code configured to replace said request for a first type of information with a modified request for a first type of information, said modified request being based on said access policy; and

third code configured to access said information store to produce a result in response to said access request, wherein said modified request produces either a masked value or said first information, based on said access policy.

- 13. The system of claim 12 further including fourth code configured to modify said access request to include a filter function, said filter function effective for eliminating portions of said result in accordance with said access policy.
- 14. The system of claim 12 further including a relational database and said request for a first type of information comprises a SELECT statement, said SELECT statement comprising one or more column references, said modified request comprising a replacement of at least one of said one or more column references with a mask function.
- 15. The system of claim 12 further including a relational database and said access request includes a WHERE clause, said result comprising one or more rows of information, said second code further configured to incorporate a filter function in said WHERE clause to remove certain rows contained in said result, based on said access policy.
- 16. The system of claim 12 further including a client computer system and a server computer system, said client computer system comprising a portion of said computer memory embodying said first and second codes, said server computer system comprising another portion of said computer memory embodying said third code.
- 17. The system of claim 12 wherein said database server is a relational database server, said request for a first type of information comprises a SELECT statement, said SELECT statement comprising one or more column references, said modified request comprising a replacement of at least one of said one or more column references with a mask function.

1	18.	The system of claim 17 wherein said third code includes mask
2	function.	
1	19.	The system of claim 16 wherein said database server is a relational
2		access request includes a WHERE clause, said result comprising one or
3	more rows of informa	ation, said second code further configured to incorporate a filter function
4	in said WHERE claus	se to remove certain rows contained in said result, based on said access
5	policy.	
1	20.	The system of claim 19 wherein said third code includes mask
2	function.	